SOLDATKIN, M. T., dotsent, kand. tekhn. nauk; SYCHEV, A. T.

Investigating the electric conductivity of bricks in relation to their moisture content. Sbor. nauch. trud. Bel. politekh. inst. no.74:80-85 '59. (MIRA 13:8) (Moisture--Measurement) (Electric conductivity) (Bricks--Testing)

MASLOV, N.N.; SYCHEV, A.T. (Mordovskaya ASSR); GELLER, Yu.A., doktor tekhn.nauk, prof., DRAZNIN, inzh.; MALINKINA, Ye.I., kand.tekhn.nauk

Answering letters from our readers. Metalloved. i term. cbr. met. no.11:60-63 N '61. (MIRA 14:12)

(Nickel plating)

(Steel--Heat treatment)

(Tool steel)

GUREVICH, L.Ye.; SYCHEV, A.T.

Automation of coke oven heating systems. Koks i khim. no.4: 22-24 '62. (MIRA 16:8)

1. Kemerovskiy koksokhimicheskiy zavod.
(Coke ovens) (Automatic control)

PANENKO, F.M.; SYCHEV, A.T.; TIBO-BRIN'OL', Ye.V.

是我们就是我们的现在分词,我们就是我们的,我们就是我们的,我们就是我们的,我们就会会会的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的一个人, "我们就是我们的,我们就是我们的,我们就是我们就是我们的,我们就是我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们就

Automation of the charging of pitch-coke ovens. Koks i khim.
no.6:24-27 '63. (MIRA 16:9)

1. Kemerovskiy koksokhimicheskiy zavod. (Coke ovens) (Automation)

SYCHEV, A.T.

Study of a vertical submerged turbulent stream incident on the plane of a smooth ceiling. Inzh.-fiz. zhur. 7 no. 3:46-53 Mr 164. (MIRA 17:5)

1. Belorusskiy politekhnicheskiy institut, Minsk.

在中央大型的比较级的数据的 **的工程的**影响就已经是经验的影响,这个传统特殊,我们还是这种人的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一

SYCHEV, A.T.

Fir supply by means of a semi-infinite fanned submerged turbulent jet. Inch. fiz. zhur. 7 no.6:81-85 '64. (MIRA 17:12)

1. Belorusskiy politekhnicheskiy institut, Minsk.

SYCHEV, A.V.

Some properties of moduli. Sib. mat. zhur. 6 no.5:1108-1119 S-0 (MIRA 18:10)

SYCHEV, Aleksey Yekovlevich, professor, doktor ekonomicheskikh nauk;

DUMLER, Sergey Avgustovich, inzhener; SIVKOV, Viktor Mikhaylovich;

UMANSKAYA, M.M., inzhener, redaktor; GORELIK, I.G., kandidat

ekonomicheskikh nauk, redaktor; BOGOMOLOV, V.I., inzhener; KARCHEVSKIY, V.A., inzhener, redaktor; PEKELIS, I.B.; POLYAKOV, S.A.,
inzhener; SHTEYMBERG, Ye.S.; CHURILOVICH, L.M.; AVRUTSKAYA, R.F.,
redaktor; EVERSON, I.M., tekhnicheskiy redaktor.

[The economics of non-ferrous metallurgy] Ekonomika tsvetnoi metallurgii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 291 p. (MLRA 8:2)

(Nonferrous metals--Metallurgy) (Metal industries)

, SYCHEV,

Thermodynamics, Thermochemistry, Equilibria, Physical-Chemical Analysis, Phase Transitions. USSR/Physical Chemistry.

Ref Zhur-Khimiya, No 5, 1957, 14706 Abs Jour:

P. K. Migal', A. Ya. Sychev.

Author

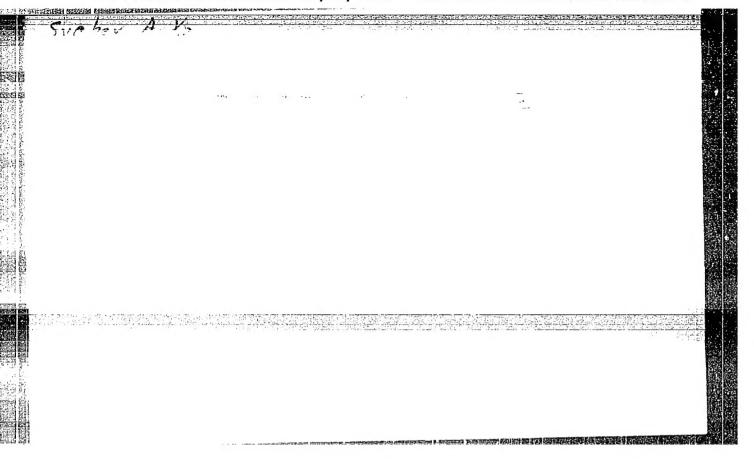
Physical-Chemical Study of System Cobald Chloride -Inst Title

Sodium Citrate in Aqueous Medium

Orig Pub: Zh. neorgan. khimii, 1956, 1, No 4, 726-732

A Physical-chemical study of the system cobalt chloride (I) - sodium citrate (II) in aqueous medium was carried out. The specific electric conductivity 9 of the system out. Abstract: Ine specific electric conductivity of the system I-II was measured at 15, 25 and 50° in the range of concentrations from 0.01 to 1.00 M. The isotherms of pass through a sharp minimum at the relation between I : II = 1: 1, the breaking angle of the isotherm becomes sharper with the temperature rise. The isotherm minimum and the rectilinearity of both their branches is characteristical of concentration from 0.01 to 0.1 M; also a

Card 1/2



SYCHEV, A. Ya. Cand Chem Sci -- (diss) "Phys-chem study of the complex formation of certain metals with citric and apple acids an Alexanin a water solution." Kishinev, 1957. 15 pp 22 cm. (Min of Higher Education USSIR. Kishinev State Univ). 100 copies. (KL 23-57, 109).

-22-22

SYCHEV, A. Ya., prof., obshchiy red.; DUMLER, S.A., obshchiy red.; SVET, Ye.B., red.; VYGOLOVA, M.A., tekhn.red.

[Technology and economics; problems of the economic efficiency of modern technology] Tekhnika i ekonomika; voprosy ekonomicheskoi effektivnosti novoi tekhniki. Cheliabinsk, Cheliabinskoe knizhnoe izd-vo, 1958. 238 p. (MIRA 13:2) (Technology)

Syches, A. YA.

Migal', P. K., Sychev, A. Ya.

78-2-9/43

AUTHORS:

TTTLE:

Physico-Chemical Investigations Concerning the Complex--Formation of Zinc, Cadmium and Copper With Sodium Citrate in an Aqueous Medium (Fiziko-khimicheskoye issledovaniye kompleksoobrazovaniya ionov tsinka, kadmiya, medi s limonnokislym natriyem v vodnoy srede).

Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 2,

pp. 309-313 (USSR).

ABSTRACT:

PERIODICAL:

The complex-formation in the system ZnSO4-C6H5O7Na3, CdCl2- $-c_6^{\rm H}_{\rm 5}^{\rm 0}$ 7 Na and CuSO4 $-c_6^{\rm H}_{\rm 5}^{\rm 0}$ 7 NO3 in an aqueous medium was investigated by the methods with electrolytic conductivity and potentiometry /pH/. According to the results with electrolytic conductivity in diluted solutions (0,01 - 0,1 mol/1) the complexes metal: addendum = 1: 1 exist. According to the determination by the optical density in the system CuSO4- $C_6H_5O_7Na_3$ and at pH = 4 the complex copper : citrate = 1 : 1 exists. In weakly-acid solutions the complex-formation in the systems zinc-citrate, cadmium-citrate, copper-citrate

Card 1/2

Sychev, A.YA.

Migal', P. K., Sychev, A. Ya.

78-2-10/43

AUTHORS: TITLE:

The Stability of the Citric-Acid Complexes of Some Metals

(Ustoychivost' limonnokislykh kompleksov nekotorykh metallov).

PERIODICAL:

Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 2,

pp. 314-324 (USSR)

ABSTRACT:

This work investigated the stability constants of the bi-valent metals Ni²⁺, Co²⁺, Zn²⁺, Cd²⁺, Cu²⁺ with citric acid. The potentiometric method (pH) was employed for determining the stability constant. According to their stability in an acid medium the metals are to be arranged in the following order: Cu > Ni > Co > Zn > Cd. The influence of the above-mendioned ions upon citric acid in a neutral or alkaline medium is

to be expressed by the following equation:

M²⁺ + Cit⁴ ← MCit²⁻. The two- or four-fold excess of citric acid in relation to the metal-ions does not influence the stability constant. The stability constant of the complexes was calculated from the titration curves in the ratio metal--ion: addendum = 1: 1. The third dissociation constant of citric acid K_3 = 3,24.10⁻⁶ was used in the calculation of the stability constant. On the basis of the potentiometric

Card 1/2

The Stability of the Citric-Acid Complexes of Some Metals 78-2-10/43

titrations the following stability constants were found:

[NiCit] 1-, [NiCit2] 4- with 1gK 4,99, 2,77

[CoCit] 1-, [CoCit] 4- with 1gK 4,41, 2,34 1-, [ZnCit2] 4- with 1gK 4,25, 1,91

[cacit]¹⁻, [cacit₂]⁴⁻ with lgK 3,38, 1,62 [NiCi]²⁻ = lgK 5,27, [cdCi]²⁻ = lgK 7,08, [znCi]²⁻

[CdCi] 2 = 1gK 6,23 and [CuCi] 2 = 1gK 13,22.

There are 7 figures, 2 tables, and 23 references, 5 of

which are Slavic.

Kishinev State University (Kishinevskiy gosudarstvennyy ASSOCIATION:

universitet)

April 2, 1957 SUBMITTED:

Library of Congress AVAILABLE:

Card 2/2

05861 SOV/78-4-11-14/50 Ablov, A.V., Sychev, A.Ya. The Kinetics of Hydrolysis of Halogen Bis-dimethyl 5(2) AUTHORS: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 11, Glyoxime Aquocobalt TITLE: The kinetics of the substitution in the internal coordinapp 2485-2494 (USSR) PERIODICAL: tion sphere of octahedral complexes was thoroughly investigated in connection with the I.I. Chernyayev transeffect as shown by numerous articles (Refs 1-10), among which are publications by Ya.A. Fialkov, V.D. Panasyuk ABSTRACT: (Ref 5), O.Ye. Zayagintsey, Ye.F. Shubochkina (Ref 6) and (Nel)), U. 10. Layagintsev, 10. F. Dhugochking (Nel o) and A.A. Grinberg (Ref 7). The authors of this article made a contribution to this field by investigating the hydrolysis of the compounds $Co(H_2O)(DH)_2Hal$ (DH = dimethyl glyoxime, Hal = Cl, Br, J). By means of an SF-4 spectrophotometer, the course of hydrolysis was confirmed according to the reaction $\left[\operatorname{Co}(\operatorname{H}_2\operatorname{O})\left(\operatorname{DH}\right)_2\operatorname{Hal}\right] + \operatorname{H}_2\operatorname{O} \longrightarrow \left[\operatorname{Co}(\operatorname{H}_2\operatorname{O})\left(\operatorname{DH}\right)_2\right]^+ + \operatorname{Hal}$ In order to determine the reaction rate, the 1-1-11-

The Kinetics of Hydrolysis of Halogen Bis-dimethyl Glyoxime Aquocobalt 05861 **SOV/78-4-11-14/5**0

authors made a potentiometric titration of the halogen ions released from the internal sphere (Figs 2,3). Titration took place at Q. 18 and 25°C. When measuring the electrical conductivity it was found that the type of the electrode used has a certain influence. Smooth platinum electrodes yielded lower values than platinum electrodes covered with platinum mud which had a catalytic effect (Table 2). The latter has already been detected by L.A. Chugayev (Ref 21). pHmeasurement made with the help of a glass electrode and an LP-5 tube amplifier indicated that the pH-value of a solution of [Co(H20)(DH)2J] changes in the same manner as electrical conductivity (Figs 5,6). The reaction constants calculated by the various methods are in good agreement (Table 1). It was a remarkable detection that the hydrolysis rate of the bromine compound was somewhat lower than that of the chlorine compound, and that that of the iodine compound was the least, whereas the compounds [Co(NH3)(DH)2Hal] showed opposite behavior, i.e. only the iodine compound in the internal coordination sphere was hydrolyzed (Fig 7).

Card 2/3

05861

The Kinetics of Hydrolysis of Halogen. Bis-dimethyl Glyoxime Aquocobalt

SOV/78-4-11-14/50

(Abstracter's note: The term "hydrolysis" was substituted for "hydration" used by the author on account of the reaction equation complex Hal + H₂0 → complex + Hal given in this article). There are 7 figures, 2 tables, and 24 references, 10 of which are Soviet.

ASSOCIATION:

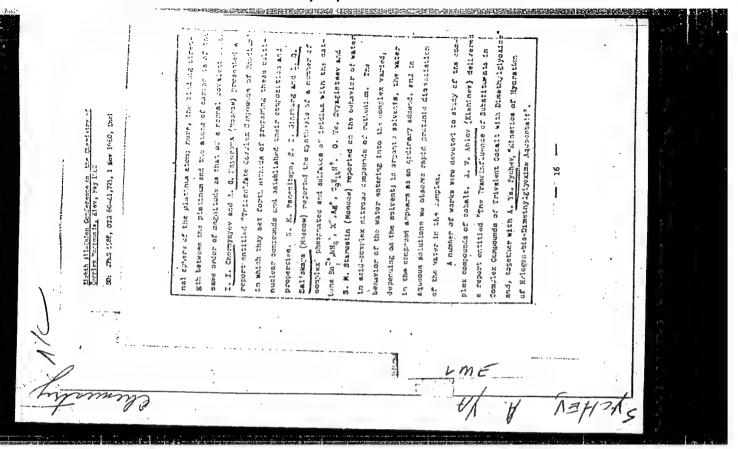
Moldavskiy filial Akademii nauk SSSR (Moldavian Branch of the

Academy of Sciences, USSR)

SUBMITTED:

July 2, 1958

Card 3/3



SYCHEV, A.Ya.; ABLOV, A.V., ZARINSKIY, V.A.

High frequency study of the hydration kinetics of halobis (dimethyl-glyoximato) aquocobaltate(III). Zhur.neorg.khim. 6 no.4:825-829 Ap 161. (MIRA 14:4)

l. Institut khimii Moldavskogo filiala AN SSSR, i Institut geokhimii i analiticheskoy khimii imeni Vernadskogo AN SSSR. (Cobalt compounds)

24

SYCHEV, A.Ya.; ABLOV, A.V.

Kinetics of hydration of dihalo-bis-dimethylglyoximatocobaltiate ions. Zhur.neorg.khim. 6 no.10:2288-2293 0 '61. (MIRA 14:9)

 Moldavskiy filial Akademii nauk SSSR, Institut khimii. (Cobalt compounds) (Hydration)

SYCHEV, A.Ya.; GERBELEU

Thermodynamics of the reactions of multistep complex formation between nickel ions and monoethanolamine. Zhur.neorg.khim. 7 no.2:269-274 F *162. (MIRA 15:3)

1. Kishinevskiy gosudarstvennyy universitet, kafedra fizicheskoy khimii.

(Nickel compounds) (Ethanol)

SYCHEV, A.Ya.; MIGAL', P.K.; Prinimali uchastiye: TIMONINA, L.I.; MIGAL', Ye.P.; YERMOLENKO, P.P.

Stability of complex compounds of some metals with phenylalanine, lysine and tyrosin. Biokhimiia 27 no.1:25-31 Ja-F '62. (MIRA 15:5)

1. State University, Kishinev.
(ALANINE) (LYSINE) (TYROSIN) (ORGANOMETALLIC COMPOUNDS)

SYCHEV, A.Ya.; GERBELEU, A.P.; MIGAL', P.K.

。 《大社社》,我们是我们的知识,不可以为我们的对象,我们就是我们的,我们就是不是不是一个人,我们就是不是一个人,我们就是一个人,我们就是这个人,我们就是这个人,我们

Thermodynamics of a stepped complex formation of nickel ions with triethanolamine. Zhur.neorg.khim. 8 no.9:2070-2073 S '63. (MIRA 16:10)

SYCHEV, A.Ya.

Stability of complex compounds of copper, zinc, and cobalt with serine. Zhur. neorg. khim. 9 no.10:2343-2346 0 '64.

(MIRA 17:12)

1. Kishinevskiy gosudarstvennyy universitet, Kafedra fizicheskoy khimii.

5/0032/64/030/009/1141/1142

ACCESSION IR: AP4044903

AUTHOR: Sy*chev, A. Ya.; Remenko, S. D.

TITLE: Dielectric meter for measuring small changes in dielectric permeability

SOURCE: Zavodskaya laboratoriya, v. 30, no. 9, 1964, 1141-1142

TOPIC TAGS: electron tube, capacitor, dielectric permeability, dielectric constant, frequency stabilizer, mixer tube, beat frequency principle/ 62h4 tube, 62h3 tube, 67e5S tube, 67e4P tube, 684P tube, 56 4 gas stabilizer, 56 3 gas stabilizer

ABSTRACT: A compact and simple instrument was designed which is capable of determining dielectric constants with an accuracy of 0.001 in the range 1.5--3. The instrument consists of a standard oscillator (6k4P tube) with quartz frequency stabilizer, smooth generator (6k4P tube) composed of a cell and standard condenser (70 picofarad), a highly sensitive receiver with zero indicator and a power supply. The receiver consists of a regenerative mixer (a 6Zh8 tube) and of a two-cascade audiofrequency emplifier (6Zh8 tubes). The receiver output circuit has an autotransformer coupling with the generator circuit. The receiver amplifier

Card 11/2

38山8 8/089/62/012/006/012/019 B102/B104

21.5250

AUTHORS:

Zaytsev, L. N., Komochkov, M. M., Sychev, B. S.

TITLE:

Attenuation of high-energy neutrons in concrete

PERIODICAL: Atomnaya energiya, v. 12, no. 6, 1962, 525 - 527

TEXT: The intensity losses of fast neutrons passing through special heavy concretes were studied on the synchrocyclotron of the Laboratoriya yadernykh problem Ob"yedinennogo instituta yadernykh issledovaniy (Laboratory for Nuclear Problems of the Joint Institute of Nuclear Research). Previously, such studies had been made only for ordinary concretes. Three types of concrete (densities, 2.35, 3.2, and 4.1 g/cm³) were studied, the first being the same as that used in the synchrocyclotron. The neutron flux was determined from the C¹¹ activity in the concrete. The C¹²(n, 2n)C¹¹ reaction has a threshold of 20 MeV and a constant cross section in the energy range considered. At $E_n > 20$ MeV, the drop of intensity in concrete 20 - 40 cm thick was found to follow an exponential law. The authors' experiments refuted the assumption that the thickness which reduces the intensity to

KOMOCHKOV, M.M.; SYCHEV, B.S.

Attenuation of a high-energy neutron flux in a shielding. Atom. energ. 15 no.4:325-327 0 '63. (MIRA 16:10)

717 3465 (F7614716) FULL 5 1 347 52 190/001/008 1 612 TITLE APARTMENT A I - wis Daytsev, I, 4. Candidate foremonical actembes,; Cychev, <u>B. S.</u> schwie House of lumbay A. M. Limitanes The the tip of the property of the time of the Commence of the property of the property of the property of This its Will penthus a felting, muclash hearth, marken all ty, meaning activities, om ta tiva i navmustion IRITALIT: The authors discuss the problems involved with providing a protective antern for life in the vicinity of a nuclear reactor, and they rive a diagram for region protective scheme. The first consciention is over to numer radiation ក្រុម ប្រជាពលរបស់ ស្រាប់ ស ស្រាប់ ស្រាប with the fact that the المراجع المراجع والمراجع والمراجع المراجع والمراجع والمرا origons and the emission where the control of the territory of the regardless to the maix properties. A uniful programm wants to the applied concrete thicktest lample deloulations are given for the case of the diskness of graphite, this a steel shell of this mithid-has the annual and a caste layer, in order to Card 1/5 -

L 22908-65

ACCESSION NR: AP5001757

show the radiation weakening effect. Five distinguishable types of radiation are encountered from the active zone to the far edge of protection. The formula

$$D(x, \gamma_6, \mathbf{w}) = D_1(\gamma_6, \mathbf{x}) + D_1(x, \gamma_6, \mathbf{w}) + D_2(x, \gamma_6, \mathbf{w}) + D_4(x, \gamma_6, \mathbf{w}) + D_4(x, \gamma_6, \mathbf{w}).$$

is the dosage function related to the five radiation types $(D_1, D_2, D_3, D_4, D_5,)$ and to the concrete parameters $(x = \text{thickness}, \delta_{b} = \text{density}, w = \text{water content})$. The instruction of national relation is removed by a plot of accumulation factors

parametric values of concrete density. Ordinary concrete with density of 2300 1,000 from to remost economical. Orig. art. has: 5 figures, 1 table, and 4 equations.

Card 2/5

s/0089/64/016/001/0026/0032

ACCESSION NR: AP4012262

AUTHORS: Broder, D.L.; Zaytsev, L.N.; Sy*chev, B.S.; Tugolukov, A.K.

TITLE: Effect of water content in concrete on the thickness of the reactor shield and its cost.

SOURCE: Atomnaya energiya, v.16, no.1, 1964, 26-32

and the second s

TOPIC TAGS: reactor shield, biological reactor protection, reactor shield cost, reactor shield water concentration, optimal reactor protection

ABSTRACT: The purpose of the present work is to determine the economical aspect of the increasing amount of water in concrete for reactor shieldings. Increasing the water content in concrete increases its hydrogen concentration which effectively reduces the leakage of fast and intermediate neutrons because of the large cross section of hydrogen for fast and intermediate neutrons. Various types of concrete used for reactor shieldings have hydrogen concentration within the 12% range. The authors have computed the biological protection

Card 1/2

L 1928-66 EWT(m)/EPF(n)-2/EWG(m)/EWA(h)/EWA(1) DM

ACCESSION NR: AP5023779

UR/0089/65/019/003/0303/0307

621.039.538.7

AUTHOR: Zaytsev, L. N.; Lavdanskiy, P. A.; Mal'kov, V. V.; Sychev, B. S.

TITLE: Shielding parameters of concretes

SOURCE: Atomnaya energiya, v. 19, no. 3, 1965, 303-307

TOPIC TAGS: concrete, neutron shielding, radiation shielding, neutron absorption neutron cross section, gamma ray absorption

ABSTRACT: On the basis of literature data, a survey of the shielding parameters of concretes is given in the form of graphs and tables. The chemical composition of the basic materials used as fillers for concretes and some of their shielding parameters are tabulated. Another table lists the mass attenuation factors for Y radiation (which are the same for most of these materials except water, borate ore, boron carbide, baryta, and steel). A nomogram for the calculation of removal cross sections of fast neutrons in concretes and a table of macroscopic neutron removal cross sections of the elements included in the composition of the concretes are given. Other illustrated relationships are the variation of the inelastic interaction cross section of ultrafast neutrons with the iron content of concretes, and the dependence of thermal neutron absorption cross

L 1928-66		ما داملها دار دار المام دار	
ACCESSION NR: AP50237			0
11. 1	d team contout of concret	es. Orig. art. has: 3 fi	gures
and 4 tables.	d Itou content or contrar		
ASSOCIATION: none			
SUBMITTED: 20Ju164	ENCL: 00	SUB CODE: NP, MT	
NO REF SOV: 009	OTHER: 005		
			3333
1 mill			
2/2		The Nation Visited to	

ACCINE AP6032250 (A) SOURCE CODE: UR/0097/66/000/007/0032/0034

AUTHOR: Zaytsev, L. N. (Candidate of technical sciences); Lavdanskiy, P. A.; Mai'kov, V. V.; Sychev, B. S.

ORG: none

TITLE: Role of boron-containing concretes as nuclear reactor shields

SOURCE: Beton i zhelezobeton, no. 7, 1966, 32-34

TOPIC TAGS: boron, concrete, nuclear shielding, biological shielding

ABSTRACT: The addition of boron to biological shielding made from ordinary concrete reduces its thickness by 27% when the content of chemically combined water is low, and by 23% when the amount of water in the concrete is 75 kg/m³ (with a dosage ratio of $D_1^\circ/D_2^\circ = 10^{-3}$). Maximum reduction in shielding thickness due to the addition of boron to heavy concrete for ore-filled concrete with a volumetric weight of 3200 kg/m³ is 3% (when the ratio between the dosages is $D_1^\circ/D_2^\circ = 10^{-1}$). Thus, the addition of boron is not economically advantageous, since it results in only a small savings in concrete. Exceptions are reinforced

Card 1/2

UDC: 666, 974

09873-67			
NR: AP6032250		O	
oncretes with a very small amount o vater, such as heat-resistant concre	of water or those entirely withoutes. [Authors' abstract]	ut combined	
UB CODE: 06, 11/ SUBM DATE: 1	none/ ORIG REF: 005/ OTH I	REF: 003/	
	• •		
·			
	•		
			-
•		•	
	•		
	•		

EPF(n)=2/EHA(h)/EHP(j)/EHT(m)/ETC(f)/EHG(m)/EHA(1)ACC NR. AP6013737 (A) SOURCE CODE: UR/0089/66/020/004/0355/0356 THOR: Sychev, B. S.; Mal'kov, V. V.; Komochkov, M. M.; Zaytsev, L. N. ORG: Passage of high-energy neutrons through a heavy concrete shielding Atomnaya energiya, v. 20, no. 4, 1966, 355-356 SOURCE: TOPIC TAGS: neutron energy distribution, neutron shielding, nuclear shielding . concrete ABSTRACT: The authors present in a brief form the results of their experiments, conducted in the OIYaI synchrocyclotron laboratory, on shielding consisting of a series of slabs (53 mm thick). The slabs are made of heavy (hematite) concrete having a density of 3480 kg/cu m. The chemical composition of concrete slabs is given, being expressed in percent by weight. The content of hydrogenis 0.35wt. \$5. The experimental data characterizing the neutron attenuation for different energy groups are plotted for various concrete thicknesses (up to 4000 kg/sq m). The neutron groups include high-energy neutrons (E(\$\)20 MeV), fast neutrons 2 to 20 MeV), intermediate neutrons (E about 1.44 eV). These three Card 1/2 UDC: 621.039.512.45

L 28845-66

ACC NR. AP6013737

groups were tested in the concrete containing 0.35wt of hydrogen. In addition, the behavior of intermediate neutrons was investigated for 0.7 and lwt. of hydrogen content. A table is presented giving neutron attenuation lengths (\(\lambda \), kg/m²) for concrete of 1500 to 5000 kg/sq m attenuation lengths (\(\lambda \), kg/m²) for concrete of protons bombarding thickness with respect to various energy levels of protons bombarding thickness with respect to various energy levels of protons bombarding thickness with respect to various energy levels of protons bombarding thickness with respect to various energy levels of protons bombarding (where \(\lambda \) is the length of inelastic interaction with neutron nuclei of (where \(\lambda \) is the length of inelastic interaction with neutron nuclei of (where \(\lambda \) is the length of inelastic interaction with neutron nuclei of high-energy neutrons (several hundred Mev) is characterized of high-energy neutrons (several hundred Mev) is characterized of high-energy neutrons (several hundred Mev) is characterized of high-energy neutrons of the equation: \(\lambda \) (a characterized to high-energy neutrons of intermediate neutrons in factors onacterizing the accumulation of intermediate neutrons in concrete/with various hydrogen contents are also presented in a table.

OFIG. art. has: 2 tables and 1 graph.

SUB CODE: 18,20 / SUEM DATE: 18Nov65 / ORIG REF: 003 / OTH REF: 000

ORG: none TITLE: Attenuation of high-energy neutron fluxes by heterogeneous shields SOURCE: Atomnaya energiya, v. 21, no. 1, 1966, 56-57 TOPIC TAGS: reactor shielding, reactor neutron flux, neutron absorption ABSTRACT: The authors present results of experimental investigations of the distance of neutron fluxes of varying energy groups in layered shields. The investigations were made with the OIYAI synchrocyclotron in a neutron flux obtained by both ing a beryllium target with 660-Mev protons. The geometry of the experiment is scribed elsewhere (Atomanaya energiya v. 12, 525, 1962). The neutron fluxes were gistered with threshold detectors of In115, p31, and C12, which were briefly designated with threshold detectors of In115, p31, and C12, which were briefly designated (Atomnaya energiya v. 20, 323, 1966). X ray films of individual gamma demeters were also used. The following shield combinations were used: iron wat iron - heavy concrete, and water - iron - water. An analysis of the measured at iron produced by these shields leads to the conclusion that the presence of the layer does not influence the character of attenuation of the neutron flux in the	stribu- iga- ombard- de- re re- scribed dosi- ttenua- first e he
boundary of the two materials are discussed. It is recommended that the second UDC: 621.039.512.45	

ACC NR: AP60245	543					2	İ
be made of hydrog mediate neutrons tenko for help wi	gen-containing mate in heavy materials ith the experiments	rial to reduce . The authors . Orig. art.	the effective thank $\frac{Z_0}{3}$	ect of acc Tsisek a figures ar	umulati and A. H ad 3 for	on of ir cherve	ter-
SUB CODE: 18/	SUBM DATE: 22Feb	66/ ORIG RE	F: 005			. *	
	·					A.	
							The same of the sa
, , ,						•	
i, '	•		•		٠	, t	
	·						1

ACC NR: AM6023941

Monograph

UR/

Broder, D. L.; Zaytaev, L. N.; Komochkov, M. M. Mal'kov, V. V.; Sychev, B. S.

Concrete in the shielding of nuclear installations (Beton y zashchite yadernykh ustanovok) Moscow, Atomizdat, 1966. 239 p. illus., biblio., tables. 2050 copies printed.

TOPIC TAGS: accelerator, concrete, nuclear engineering, nuclear radiation, radiation shielding, reactor shielding

PURPOSE AND COVERAGE: This book is intended for designers of nuclear devices and readers working in the nuclear industry. Methods and techniques for swift evaluation of various nuclear shieldings are presented. Approximate methods of calculating concrete shieldings are covered in the following sequence: the determination of emitted radiation and its distribution, of the distribution of radiation fluxes along the thickness of the shield, and of the permissible radiation levels beyond the shield. Particular attention is given to the shieldings of high-power accelerators. Prof. A. N. Komarovskiy and Docent V. B. Dubrovskiy provided advice, and A. V. Kudryavtseva, A. M. Tugolukov, V. S. Kiselev, and P. A. Lavdanskiy cooperated.

Card: 1/2

unce: 621:039 538

ACC NR: AM6023941 TABLE OF CONTENTS [abridged]: Ch. 1. General Information on Biological Shields for Nuclear Installations -- 5 Ch. 2. Reactors and Accelerators as Radiation Sources -- 31 Ch. 3. Calculation of the Attenuation of Medium-Energy Neutron and Gamma-Quantum Fluxes in Shieldings -- 74 Ch. 4. Calculation of Attenuation of Radiation from High-Energy Particle Accelerators -- 100 Ch. 5. Penetration of Neutrons Through Concretes -- 122 Gamma-Radiation Penetration Through Concretes and Formation in Ch. 6. Concretes -- 162 Ch. 7. Radiation Heating of Concrete Shieldings -- 180 Ch. 8. Some Problems in Optimal-Shield Selection -- 211 Appendices -- 229 SUB CODE: 18/// SUBM DATE: 16Feb66/ ORIG REF:

KUBANIN, Yu.Z., inzh.; SAZONOV, G.G., inzh.; MIKAHYLOV, N.A., tekhnik; SMIRNOVA, A.V.; tekhnik; SYCHEV, G.A., tekhnik

Automation of the removal and quenching of cinders from "fluidized bed" process furnaces. Mekh. 1 avtom. proizv. 15 no.3:14-17 Mr '61.

(MIRA 14:3)

(Automation) (Metallurgical furnaces)

则的之一天的是社会的现在,我们就是这种的人,所以我们就是这种的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的

KARAVANOV, G.G., prof.; SYCHEV, G.G.

Venous thrombosis and the postphlebitic syndrome of the lower extremities. Nauch.trudy L'vov.obl.terap.ob-va no.1:34-40 '61.

(MIRA 16:5)

1. Klinika fakul'tetskoy khirurgii lechebnogo fakul'teta L'vovskogo meditsinskogo instituta (zav. kafedroy - prof. G.G. Karavanov). (THROMBOSIS) (PHLEBITIS) (EXTREMITIES, LOWER-DISEASES)

SYCHEV, G.G. (L'vov)

Mechanical jaundice in abdominal lymphogranulomatosis. Klin. med. 39 no.4:140-141 161. (MIRA 14:4)

1. Iz 2-go khirurgicheskogo otdeleniya (zav. - prof. G.G. Karavanov) L'vovskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach N.I. Besedin) i kafedry fakul'tetskoy khirurgii lechebnogo fakul'teta (zav. - prof. G.G. Karavanov) L'vovskogo meditsinskogo instituta (dir. - prof. L.N. Kuzmenko) (HODGKIN'S DISKASE) (JAUNDICE)

SYCHEV, G.G.

Phlebography and its significance in the diagnosis of a postphlebitic syndrome. Vest. rent. i rad. 37 no.1:62-63

Ja-F '62. (MIRA 15:3)

1. Iz 2-go khirurgicheskogo otdeleniya i kafedry fakul'tetskoy khirurgii lechebnogo fakul'teta (zav. - prof. G.G. Karavanov) L'vovskoy oblastnoy klinicheskoy bol'nitsy i L'vovskogo meditsinskogo instituta.

(ANGIOGRAPHY) (PHLEBITIS)

SYCHEV, G.G.

Serial intravenous ascending functional phlebography of the lower extremities with the patient in vertical position. Vest. rent. 1 rad. 40 no.5:63 S-0 *65.

(MIRA 18:12)

l. Klinika fakulitetskoy khirurgil lechebnogo fakuliteta (zav. - prof. G.G.Karavanov) Livovskogo meditsinskogo instituta i klinika gospitalinoy khirurgii (zav. - prof. G.N.Lukiyanov) Kubanskogo meditsinskogo instituta, Krasnodar.

BUKOV, V.A., BYKOV, L.A., VALUK, V.A., VARTBARONOV, R.A., ZHILIS, E.F., KONDRAKOV, V.M., KUZ'MIN, V.A., SYCHEV, G.I. FROLOV, N.I., FOKIN, A.S., KHARINSKIY, A.N. (Saratov)

New method for producing stable neurogenic hypertension in dogs [with summary in English]. Arkh.pat. 20 no.5:21-27 '58 (MIRA 11:6) (HEART, anatomy and histology, thebesian vessels, review (Rus))

SYCHLV, I. A., LECYCY, F. L.

Electric Power Plants

From the experience of an outstanding repair brigade. Rab. energ. 2 No. 5. (1952)

Monthly List of Russian Accessions, Library of Congress, August, 1952. Unclassified.

17.1100

83533 \$/112/59/000/015/040/068 A052/A002

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, No. 15, p. 163, # 32112

AUTHORS:

Kerbunov, V.V., Sychev, I.A.

TITLE:

A Tubular Manometric Spring for Pneumatic Feedback Systems

PERIODICAL:

Nauchno-tekhn. byul. N.-i. in-t teplo-energ. priborostr., 1958,

No. 1 (40), pp. 5-9

TEXT: A new design of a manometric spring for pneumatic feedback systems is described. The spring is made of a band profiled in the shape of a manometric tube with a side capillary channel along the entire length of the tube. The cavities of the capillary and the tube are separated by a seam made by continuous resistance welding. The new tube does not require a difficult manufacturing technology and enables to use alloys unsuitable for deep drawing. Compared with conventional tubes it has a lower non-linearity, hysteresis and the magnitude of the temperature error is lower by a factor of 4. It is pointed out

火

Card 1/2

83533 s/112/59/000/015/040/068 A052/A002

A Tubular Manumetric Spring for Pneumatic Feedback Systems

that calculations usually applied to manometric springs result in great errors for the new spring design which is explained by the peculiarity of its shape and by the character of stress distribution. There are 4 illustrations.

M.L.P.

Translator's note: This is the full translation of the original Russian abstract.

X,

Card 2/2

25 (0), 28 (1) AUTHORS:

Kerbunov, V. V., Engineer, Sychev, I. A. SOV/119-59-6-9/18

TITLE:

Unification of Manometric Thermometers and Manometers With Pneumatic Transmission on Secondary Instruments and Control Devices (Unifikatsiya manometricheskikh termometrov i manometrov s pnevmaticheskoy peredachey na vtorichnyye pribory i reguliruyushchiye ustroystva)

Priborostroyeniye, 1959, Nr 6, pp 20 - 22 (USSR)

In recent years NII Teplopribor (Scientific Research Institute for PERIODICAL:

Thermal Power Instruments) has conducted comprehensive studies on the unification of the following series of measuring instruments: 1) manometric scale thermometers TPG-2p with gas filling, TPR-2p with ABSTRACT: mercury filling, TPZh-2p with liquid; 2) manometric thermometers without scale TPG-in (gas filling), TPR-ip (mercury filling), TPZh-1p (liquid filling); 3) spring manometer with scale MPP-2 and without scale MPP-1; 4) spring vacuum-meter VPP-2 with scale, VPP-1 without scale; 5) spring mano-vacuum-meter MVPP-2 with scale, MVPP-1 without scale, and 6) the PBP-1 pneumatic amplifier, by which the transmission of the indications is effected in all instruments mentioned. Figure 1 shows the operational principle of the instruments and the pneumatic

Card 1/2

Unification of Manometric Thermometers and Manometers SOV/119-59-6-9/18 With Pneumatic Transmission on Secondary Instruments and Control Devices

transmission of the indication. Figure 2 shows the scheme of unification. The group covers 346 instruments, classified according to precision and measuring range; only 220 constructional parts were required for them. By a tube spring with a new profile (Fig 3) the error limit of the thermometers was decreased to 2% of the measuring range. The new pneumatic amplifying relay allows the transmission of the indication to 300 m. The measuring ranges lie between -40 to +500°C for gas thermometers, between -30 to +600°C for mercury thermometers, and between -40 to +200° for liquid thermometers. The application of xylene is expected to widen the range of liquid thermometers to +400°. The measuring instruments have proved successful in official and practical tests. There are 3 figures and 1 table.

Card 2/2

SYCHEV, I.A.

The TPG-1, TPR-1, and TPZh-1-type dial manometric thermometers.

Biul.tekh.-ekon.inform. no.7:33-36 *58. (MIRA 11:9)

(Thermometers)

06182 SOV/115-59-11-10/36

25 (1)

Sychev, I.A.

AUTHOR: TITLE:

New S-Shaped Springs for Pressure Gages

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 11, pp 29-31

ABSTRACT:

The author describes S-shaped tubular springs for pressure gages and the technology for their manufacture. The S-shaped springs were developed by NIITeplopribor, where also the experimental models were manufactured from 30KgGSA steel. For winding the springs, a device, as shown in Fig 2, is used. These tubular springs have the advantage that the displacement of their free end is linear and not arc-shaped as with conventional pressure gage springs. The nonlinearity of the characteristic of the free end remains within the limits of 0.5-1.5%. The hysteresis does not exceed 1% of the maximum value of the working stroke which is 5-6 mm. S-shaped tubular springs may be used also in gas and liquid thermometers and related devices. The author states that the metrological and mechanical data of these springs may be im-

Card 1/2

21:180

S/043/61/000/003/005/008 D201/D305

10.1410

AUTHORS:

Koldobskaya, T.G. and Sychev, I.A.

TITLE:

Irregular shock-wave reflection on curvilinear wall

PERIODICAL:

Leningrad. Universitet. Vestnik. Seriya matematiki,

mekhaniki i astronomii, no. 3, 1961, 111-120

The effect is investigated of the curvature of a cylindrical reflecting wall on the pressure exerted on it by the diffraction and irregular reflection of a plane shock wave. The method of T. G. Koldobskaya (Ref. 7: Zadacha o neustanovivshemsya dvizhenii, blizkom k avtomodel nomu. Vestnik Leningr. un-ta, no. 1, 111-122, 1960) is adopted, based on the assumption that the investigated flow resembles a self-simulating progressive flow which arises by reflection of the same shock wave on a wedge nearly similar to the cylindrical surface. The profile (of small curvature) of the cylindrical y * tgω x + c1x , where ω is the semi-angle of the wedge; c_1 and α are constants chosen in accordance with the shape of the profile. The problem Card 1/4

an into

Irregular shock-wave...

S/043/61/000/003/005/008 D201/D305

of irregular reflection of the same shock wave on the wedge y * tg ω . x is considered to have a known solution. The flow determined by that solution is called self-simulating. The sought after functions are: u,v - the projections of the velocity w on the x- and yaxes (Fig. 1); p - the pressure; P - the density. In its general formulation, the problem can be numerically solved by the method of nets. The author proceeds to determine the flow parameters for an actual profile of type (1.1). With some additional assumptions, the problem is readily solved by the above method and the results for the line MS (Fig. 1) which are important in practice, can be obtained analytically. To obtain the initial data for computations and verifying the basic assumption of the method, experiments in a shock tube were conducted. The parameters of the waves and flow were found from photographs taken by means of the Tepler apparatus. A comparison of shadowgraphs showed that the fronts of the waves reflected by the wedge and by the cylindrical wall practically coincide. The difference in the corresponding Mach waves is small. The flow parameters on surface of reflecting wall are determined. For $\overline{\sigma}$ (which characterizes the change in entropy of the flow near the Card 2/4

S/043/61/000/003/005/008 D201/D305 :

Irregular shock-wave...

wedge) the expression

$$\frac{1}{\sigma} = e^{SO} \begin{bmatrix} \frac{1}{\sigma_0} + \int_{SO}^{SO} q(s)e^{-\frac{S}{SO}} r(s)ds \\ \frac{1}{\sigma_0} + \int_{SO}^{SO} q(s)ds \\ \frac{1}{\sigma_0} + \int_{SO}^{SO} q(s)ds \\ \frac{1}{\sigma_0} + \int_{SO}^{$$

is obtained as the solution of a differential equation. The solution for p is

 $\overline{p} = \frac{\rho_0}{\rho_{0M}} \left[\overline{p}_M + \int_{s_M}^s F(s) \frac{\rho_{0M}}{\rho_0} ds \right]. \qquad (3.9)$

The greatest change in the flow parameters for the cylindrical profile as compared to the wedge, takes place on the line MS (Fig. 1). The maximum change in parameters at M, compared with existing values for shock reflection by the wedge, constitutes: For pressure - 30%, for density - 15% and for velocity - 29%. The parameters were determined to within an accuracy of 10%. There are 5 figures and 8 references: 5 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: M.J. Lighthill. The diffraction of blast I. Proc. Roy. Soc., A 198, 454-470, London, 1949; H.F. Ludloff, M.B. Friedman. Aerodynamics of blasts diffrac-

Card 3/4

21,180

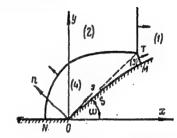
Irregular shock-wave...

S/043/61/000/003/005/008 D201/D305

tion of blast around corners. J. aeron. sci., I, 27-34, 1955.

Abstracter's note: Ref. 3: H.F. Ludloff: Aerodinamika vzryvnykh voln - is a translation into Russian 7

Fig. 1: Diagram of irregular shock-wave reflection



Puc. 1. Схема нерегулярного отражения ударной волиы.

Card 4/4

- 1. YAKOVLEV, G. I. SYCHEV, I. G.
- 2. USSR (600)
- 3. Loading and Unloading
- 4. Mechanized loading of containers with red bricks on trucks. Gor. khoz. Moskia No. 11 1952

9. Monthly List of Russian Acessions, Library of Congress, February, 1953. Unclassified.

SYCHEV, I.A.

Temperature error of liquid manometric thermometers and methods for compensating this error. Izm.tekh. no.10:26-32 0 '61.

(MIRA 14:11)

(Thermometers--Testing)

RAZIN, V.A., insh.; SYCHEV, I.A., insh.

Normal peries of measuring mombranes, membrane cases, and blocks. Priborostroenie no.11:24-26 H *65.

(MIRA 18:12)

- 1. YAKOVLEV, G.I., SYCHEV, I.G.
- 2. USSH(600)
- 4. Brickmaking
- 7. Mechanizing the loading of containers with bricks in brick plants., Stek.i ker., 9, No.11, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

SYCHEV, I.I., inzhener.

Plaster cement injection of water intake shafts at the Mingechaur Hydroelectric Power Station. Gidr. stroi. 26 no.4:15-16 Ap '57.

(Concrete construction) (MIRA 10:6)

(Mingechaur Hydroelectric Power Station)

SYCHEV, Ivan Nikolayevich,; MARTYNOV, P.T., nauchnyy red.; VAGANOVA, N.A., red.; BABICHEVA, V.V., tekhn. red.

[Prefabricated reed-panel houses and how to market them] Sbornye zhilye doma iz kamyshita i organizatsiia torgovli imi. Moskva, Gos. izd-vo torg. lit-ry, 1958. 94 p.

(Building materials)

(Buildings, Prefabricated)

RYZHKOV, I.V., kand. tekhn. nauk; SYCHEV, I.S., inzh.

Improving the shakeout of water glass mixtures. Mashinostroenie no.5:47-50 S-0 163. (MIRA 16:12)

1. Khar'kovskiy politekhnicheskiy institut.

SYCHEV, K. A.

"Elementary Method for the Computation of Heat Balance in Ground". Meteorol. i gidrologiya, No 6, pp 25-27, 1954.

The method is based on direct measurements of temperature in ground. The scheme of computation of the coefficient of temperature conductivity (a) is copied from V. B. Shtokman's method for determing the heat balance of the sea. Representing the equation of heat conduction in the form of finite differences, the author obtains a formula for the determination of the coefficient \underline{a} in the limit of Δt . He also gives a formula for determining the mean coefficient of temperature conductivity \underline{a} over a longer period of time. The computations of heat balance are conducted on the assumption that part of the heat obtained by the upper groundlayer (Q) goes to change the heat content of this layer (\underline{q}_1), and another part (\underline{q}_2) spreads to the lower layers. He obtains an expression for Q. (RZhGeol, No 10, 1955)

SO: Sum No 884, 9 Apr 1956

SYCHEV, K.A.

Three hundred and sixty-six days on a floating ice island. Probl.Arkt. no.4:108-109 '58. (MIRA 11:12)

1. Nachal'nik stantsii "Severnyy polyus-6."

(Arctic Ocean-Oceanographic research)

SYCHEV, K.A.

SYCHEV, K.A., red.; FROLOV, V.V., red.; DROZHZHINA, L.P., tekhn. red.

[Materials of observations completed by the research drift stations "North Pole 4," "North Pole 5," and "North Pole 6" in 1956-1957] Materialy nabliudenii nauchno-issledovatel skikh dreifuiushchikh stantsii "Severnyi polius-4, "Severnyi polius-5," "Severnyi polius-6" 1956/57 goda. Pod red. K.A.Sycheva. Leningrad, "Morskoi transport," 1959. 647 p. (MIRA 14:7)

1. Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel skiy institut.

(Arctic Ocean-Meteorology-Observations).

SYCHEV, K.A.

Heat balance of the active layer of permafrost in summer. Probl.Arkt.i Antarkt. no.1:87-93 '59.

(MIRA 13:7)

(Arctic regions--Frozen ground)

SYCHEV. K. A

Three years of drift on the floating ice island "Severnyi polius-6." Mor.flot 19 no.4:21-23 Ap '59. (MIRA 12:6)

1. Rukovoditel' otdela Arkticheskogo i Antarkticheskogo nauchnoissledovatėl'skogo instituta. (Arctic regions--Drift)

BAKALOV, S.A.; DERYUGIN, B.A.; SYCHEV, K.A.

Radiation and heat balance of the surface of dry land in the Arctic. Trudy GGO no.92:102-126 159.

(MIRA 13:5)

(Amderma region -- Soil temperature)

SYCHEV, K.A.

Heat content of Atlantic waters and the expenditure of heat in the Arctic Basin. Probl.Arkt.i Antarkt. no.3:5-15 '60.

(MIRA 13:9)

。 公司,我们也不是理论的工作的的经历,但是是我们的是对理解的对象的理论的理论,这个人会理解,但他们是不是,是是这些人的是,我们也是是我们的一个人,就是这种理解的,但是

(Arctic regions--Ocean temperature)

SYCHEV, Konstantin Arsent'yevich; ANDREYEVA, L.S., red.; LAVRENOVA, N.B., tekhn. red.

[On a drifting ice floe] Na dreifuiushchem ledianom ostrove. Moskva, Izd-vo "Morskoi transport," 1961. 112 p. (MIRA 14:12) (Arctic regions-Russian exploration)

DVOSKINA, G.I.; ANDREYEVA, N.N.; SYCHEV, K.A., red.; ANDREYEVA, T.P., red.; KOTLYAKOVA, O.I., tekhn.red.

[Materials from observations at drifting research stations North Pole-6 and North Pole-7 in 1958-1959] Materialy nabliadenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-6," "Severnyi polius-7" 1958/59 goda Leningrad, Izd-vo "Morskoi transport," 1963. 709 p. Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. Trudy, vol.251). (MIRA 16:5)

(Arctic regions--Meteorology--Observations)
(Arctic regions--Actinometry--Observations)

DUBROVIN, L.I.; SYCHEV, K.A.

An obsolete manual. Okeanologiia 3 no.5:949 163. (MIRA 16:11)

WHITE KASA, MAL, BUTCHE, E.C., CHI.

[Manarials on the observations of re-sure desting stations station to the following and therein held 3.1 1931-1969. Materially main meaning disclosured skills dreifst eshelikh stanistic "Novings posturated in the ryt policies," 1957-196 to the p. Mickey, latero "Transport," 1064-544 p. (Leningra Ary Theskir t materialeheskir nauchnomisslediosteliskir Institut. Trung, vol. 260)

SYCHEV, K.A., red.; ZHDANOVA, T.A., red.

[Materials of the observations of the "North Pole-8" and "North Pole-9" research drifting stations in 1960-1961.]
Materialy nabliudeniinauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-8" i "Severnyi polius-9" 1960-1961 goda.
Moskva, Izd-vo "Transport," 1964. 589 p. (Leningrad. Arkticheskii i Antarkticheskii nauchno-issledovatel'ski institut. Trudy, vol. 261).

SY CHEV, K.A., red.; ZHDANOVA, T.A., red.

[Materials on observations of the research drifting stations "Severnyi Polius-8" and Severnyi Polius-9" in 1960-1961.]

Materialy nabliudenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-8" i "Severnyi polius-9" 1960/1961 g.

Moskva, Izd-vo "Transport," 1964. 598p. Leningrad. Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut. Trudy, vol.272)

(MIRA 17:9)

SYCHEV, K.A. red.; BIKULOVA, R.I., red.

[Materials of the observations of a drifting research station "North Pole-8," 1959-1960.] Materialy nabliudenii nauchno-issledovatel skoi dreifuiushchei stantsii "Severnyi polius" 1959/60 goda. Leningrad, Izd-vo "Morskoi transport," 1963. 294 p. (Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel skii institut. Its Trudy, vol. 270)

SYCHEV, K. I.

Approximative method of estimating water inflows into mine workings. Razved. i okh. nedr 26 no.9:45-49 S *60. (MIRA 15:7)

1. TSentral'no-Kazakhstanskoye geologicheskoye upravleniye. (Mine water)

SYCHEV, K.I.; ISHMAKOV, K.I.; ZHUKOV, M.I.; CHYMACHENKO, Yu.T.

New data on the hydrogeology of the northern Lake Balkhash region. Mat.po geol.i pol.iskop.TSentr.Kazakh. no.2:85-95 '62.

(MIRA 15:12)

(Balkhash Lake region-Water, Underground)

SYCHEV, K.I.

Formation of reserves of ground waters in central Kazakhstan valleys. Razved. i okh. nedr 29 no.5:46-51 My 163.

(MIRA 16:7)

1. TSentral'no-Kazakhstanskoye geologicheskoye upravleniye. (Kazakhstan-Water, Underground)

MERKOV, B.P. (Moskva); GAUKR, Z.Ye. (Moskva); KOHKLEV, M.V.; SYCHEV, K.I. (Karaganda); UMAROV, M.U. (Moskva); SHUTLIV, F.A., kand.geol.-mineral.nauk

News, events, facts. Priroda no.12:99-109 D 162.

(MIRA 15:12)

1. Donetskaya geologicheskaya partiya, Novo-Troitskoye, Donetskaya obl. (for Kobelev). 2. TSentral'nyy sovet Vserossiyskogo obshchestva okhrany priroda, Moskva (for Shutliv).

(Science news)

MIKHAYLOV, Yu.I.; SAGUYCHENKO, I.K.; SYCHEV, K.P.; TRUBCHANINOV, I.D.

Electrotensiometer for studying the parts of conveying apparatus. Sbor. nauch. trud. KGRI no.19:117-123 *62. (MIRA 16:5)

(Conveying machinery—Testing) (Tensiometers)

的。 第1455年 1958年 1

ROZHDESTVENSKIY, B.A., general-leytenant zapasa; RUBLEV, S.T., general-mayor v otstavke; SIMVOLOKOV, V.N., general-mayor v otstavke; Mayor v otstavke; SYCHEV, K.V., general-mayor, red.; MALAKHOV, M.M., polkovnik, red.; CHEDOVETS, P.P., polkovnik zapasa, red.; ZUDINA, M.P., tekhn. red.

[Attack in a wooded-swampy and in a wooded-mountainous locality; collection of tactical examples of the attack of a rifle unit in the Great Patriotic War in 1944] Nastuplenie v lesisto-bolotistoi i gorno-lesistoi mestnosti; sbornik takticheskikh primerov nastupleniia voisk strelkovogo korpusa po opytu Velikoi Otechestvennoi voiny v 1944 g. Moskva, Voen. izd-vo M-va oborony SSSE, 1961. 203 p. [Album of diagrams] Al'bom skhem. 14 diagrams. (MIRA 15:2) (Attack and defence (Military science))

SHISHKIN, Nikolay Fedorovich, kand.tekhn.nauk; OLEKSEVICH, Valeriy Pavlovich; DANILIN, Petr Yakovlevich; MIKHEYEV, Yuriy Aleksandrovich; SYCHKV, Leonid Ivanovich, Prinimali uchastiye: SHALAGINOVA, T.S., inzh.; SMORODINSKIY, Ya.M., kand.tekhn.nauk; KALINICHENKO, M.F., inzh.; CHASHKIN, Ye.V., inzh.; ASTAF'YEV, V.D., inzh.; PROKOF'YEV, V.I., vedushchiy konstruktor; ROGOV, V.A., starshiy master; MOSKALENKO, V.M., laborant; GERASIMOV, N.F., laborant; POPOV, N.A., kand.fiziko-matem. nauk; KALINICHENKO, W.F., inzh., LYUBIMOV, H.G., otv.red.; ALADOVA, Ye.I., tekhn.red.; PROZOROVSKAYA, V.L., tekhn.red..

[Protection of the electric equipment and cable networks in mines]
Zashchita shakhtnykh elektroustanovok i kabel'nykh setei. Pod red.
N.F.Shishkina. Moskva, Ugletekhizdat, 1959. 242 p. (MIRA 12:3)
(Electricity in mining) (Electric cables)

Z/019/61/018/011/001/005 D006/D102

AUTHORS:

Tsapenko, E. F. and Sychev, L. I.

TITLE:

Transistorized instruments for checking the insulation of threephase networks with insulated neutral by a tension up to 1000 v

PERIODICAL:

Přehled technické a hospodárské literatury, Energetika a elektrotechnika, v. 18, 1961, no. 11, 499, abstract # E 61-6901. Prom.

Energ. 16, July 1961, no. 7, 32-35

TEXT: The article presents an analysis of the transistor circuit diagrams of insulation checking instruments, including the basic triode diagram, a bridge diagram, bridge diagrams with a trigger relay and with a trip relay, and a bridge diagram with a switch. The original article contains 5 figures and 5 references. Abstracter's note: The above text is a full translation of the Czech abstract.

Card 1/1

GREYSUKH, M.V.; YERMILOV, A.A.; ZALESSKIY, Yu.Ye.; KAZYMOV, A.A.; KATSEVÍCH, L.S.; KIRPA, I.I.; KIRÉYEV, M.I.; KNYAZÉVSKIY, B.A.; KOFMAN, K.D.; KRZHAVANIK, L.V.; KUZNETSOV, P.V.; MOROZOV, K.S.; RAKOVICH, I.I.; RYABOV, M.S.; SVENCHANSKIY, A.D.; SOKOLOV, M.M.; SYCHEV, L.I.; TVERDIN, L.M.; KHEYFITS, M.E.; SHULIMOV, Ye.V.; EPSHTEYN, L.M.; SHCHEGOL'KOV, Ye.I.; TSAPÉNKO, Ye.F.; FEDOROV, A.A., glav. red.; SERBINOVSKIY, G.V., red.; BOL'SHAM , Ya.M., red.; BRANDENBURGSKAYA, E.Ya., red.; TVERDIN, L.M., red.; FRIDKIN, L.M., tekhn. red.

> [Handbook for power engineers of industrial enterprises in four volumes] Spravochnik energetika promyshlennykh predpriiatii v chetyrekh tomakh. Moskva, Gosenergoizdat. Vol.2. [Electric-power supply (conclusion), use of electric power and electrical equipment in some branches of industry] Elektrosnabzhenie (okonchanie), priemniki elektroenergii i elektrooborudovanie nekotorykh otraslei promyshlennosti. Pod obshchei red. A.A.Fedorova (glav. red.), G.V.Serbinowskogo i (MIRA 16:7) IA.M. Bol'shama. 1963. 880 p. (Power engineering-Handbooks, manuals, etc.)

(Electric power distribution)

MIKHEYEV, Yu.A.; SYCHEV, L.I. Frinimal uchastiye MURCHI, Yo.M.; OSTAPENKO, V.A., kand, tekhn. nauk, retsenzent; FROLOVA, Ye.I., ved. red.

[Electric networks in mining enterprises] Elektricheskie seti gornykh predprijatii. Moskva, Nedra, 1964. 240 p. (MIRA 18:3)

- 1. SYCHEV, M.
- 2. USSR (600)
- 4. Public Health Turkey
- 7. Results of American management in Turkey, Sov. kras. krest 3, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

TKACHENKO, Grigoriy Georgiyevich; SYCHEV, M., red.; SUKHAREVSKAYA, N., tekhn. red.

[Heroic work of Donets Basin miners; the struggle of Donets Basin party organizations for the restoration of coal mining during the postwar five-year plan] Podvig shakhterov Donbassa; partiinye organizatsii Donbassa v bor'be za vosstanovlenie ugol'noi promyshlennosti v gody poslevoennoi piatiletki. Khar'kov, Luganskoe obl. izdvo, 1960. 74 p. (MIRA 14:7)

(Donets Basin-Coal mines and mining)

KARSSKIY, Vladimir Yevgen'yevich; DOROSHCHENKO, Pavel Petrovich; SYCHEV, M., red.; KUZNETSOVA, V., tekhn. red.

[Cupola furnaces with water cooling]Vagranki s vodianym okhlazhdeniem. Lugansk, Luganskoe oblastnoe izd-vo, 1959. 12 p.
(MIRA 16:1)
(Cupola furnaces)

Rent for nonresidential buildings. Zhil.-kom.khoz. 7 no.12:27-28
157.
(Rent)

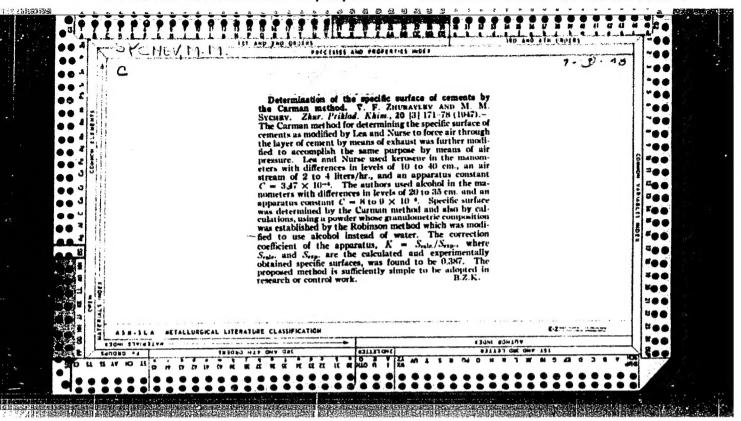
SYCH, Marek, WINID, Boguchwal; GATARSKI, Julian; TRETER, Aleksander

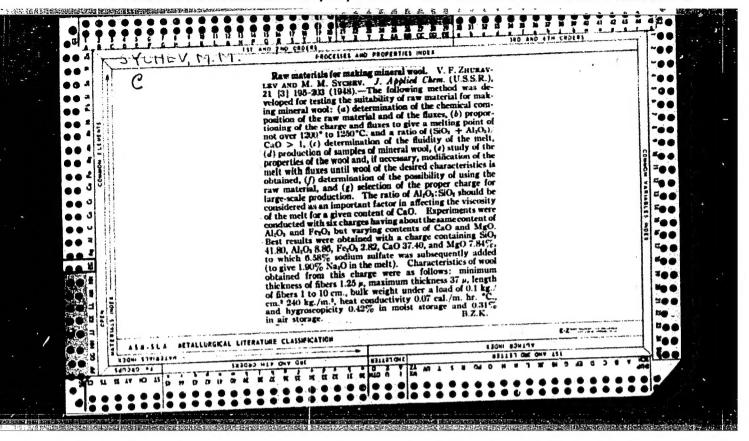
Use of electric shock therapy in anesthesia with the application of controlled msucle relaxation. Neur. &c. polska 10 no.1:129-140 Ja-F '60.

1. z I Kliniki Chirurgicznej A.M. w Krakowie, Kierownik:
prof. dr J. Bogusz. 1. z Kliniki Psychiatrycznej A.M. w Krakowie,
Kierownik: prof. dr. E. Brzezicki.
(SHOCK THERAPY ELECTRIC)
(MUSCLE REIAXANTS ther.)
(ANESTHESIA GENERAL)

KONDRATOV, M.G.; SYCHEV, M., red.; ALEKSEYEV, N., tekhn. red.

[Studies in forensic medical roentgenology] Ocherki sudebnomeditsinskoi rentgenologii. Lugansk, Luganskoe oblastnoe izd-vo, 1960. 164 p. (MIRA 17:2)





SYCHEV, M. M.

USSE/Chemistry - Mineral Wool, Manufacture of Mar 1948 Chemistry - Mineral Wools, Raw Material, Testing of

"Research on Raw Materials for the Production of Mineral Wool, " V. F. Zhuravlev, M. M. Sychev, Leningrad Tech Inst, 8 pp

"Zhur Prik Khim" Vol XXI, No 3

Describe laboratory method to determine which of several sample of raw materials is most suitable for the manufacture of mineral wool. Tabulated results, showing characteristics of the samples. Submitted 8 Jun 1947.

PA 70T23

